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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/814,434	03/31/2004	· Ravindra L. Arudi	023829-0220	5476
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Edward L. Lev Cargill, Incorpo			WEIER, ANTHONY J	
P.O. Box 5624 Minneapolis M	IN 55440-5624		ART UNIT	PAPER NUMBER
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Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

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Office Action Summary Examiner	DAYS, unication.
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) D WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after 58 (b) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire 51 (b) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire 51 (b) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire 51 (b) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire 51 (b) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire 51 (b) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire 51 (b) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire 51 (b) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire 51 (b) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire 51 (b) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and the specified specified and the specified s	DAYS, unication.
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Priority under 35 U.S.C. § 119	
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 	ge
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 5) Notice of Informal Patent Application Paper No(s)/Mail Date	

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DETAILED ACTION

Election/Restrictions

1. Applicant's election with traverse of Group I (claims 1-36 and 48) in the reply filed on 1/11/07 is acknowledged. The traversal is on the ground(s) that the inventions are classified in the same area and the search of both inventions would not require an undue burden on the examiner. This is not found persuasive because the search of each invention extends well beyond the single classification and the search of said inventions would not be commensurate with one another. Moreover, the search of each invention requires different search strategies.

The requirement is still deemed proper and is therefore made FINAL.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- 3. Claims 1, 3-10, 12, 19, 20, 22-26, 28-33, 35, and 36 are rejected under 35 U.S.C. 102(e) as being anticipated by Tsukuda et al (U.S. Application Publication 2003/0124226).

Tsukuda et al discloses a dispersible protein composition comprising soy protein (e.g. 90%; Example 1), lecithin (purified and enzyme treated), and no apparent fiber (unless incidentally present and well below the limit set forth in the instant claims), wherein said composition is dispersible within 5 seconds and has a particle size of 120 to 350 microns.

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Due to the similarity in processing and composition between the product of Tsukuda et al and that of the instant invention, it is considered expected that same would possess the other characteristics and properties set forth in the instant claims (pile spread, pile apex angle, surface tension index, etc.).

4. Claims 1, 3-11, 19, 20, 22-24, 26, 28-33, 35, and 36 are rejected under 35 U.S.C. 102(b) as being anticipated by JP 60-126036.

JP 60-126036 discloses a dispersible protein composition comprising soy protein (which can be well above 90%; see Abstract), lecithin (expected to be pure or possess oil within the limits set forth in the instant claims), and no apparent fiber (unless incidentally present and well below the limit set forth in the instant claims), wherein said composition has excellent dispersibility (which is expected to fall within the time range called for in the instant claims).

Due to the similarity in processing and composition between the product of JP 60-126036 and that of the instant invention, it is considered expected that same would possess the other characteristics and properties set forth in the instant claims (pile spread, pile apex angle, surface tension index, etc.).

5. Claims 1-11, 13-24, 26-36 and 48 are rejected under 35 U.S.C. 102(b) as being anticipated by Schapiro (U.S. Patent No. 3988511).

Schapiro discloses a dispersible protein composition comprising soy protein (e.g. 90%;), hydroxylated lecithin on the surface of same (e.g. 1%; expected to be pure or possess oil within the limits set forth in the instant claims), and no apparent fiber (unless incidentally present and well below the limit set forth in the instant claims), wherein said composition is instantly

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dispersible (which is expected to fall within the time range called for in the instant claims). See col. 1, lines 43-68; col. 3, lines 34-51; col. 4, lines 29-55; Example 1.

Due to the similarity in processing and composition between the product of Schapiro and that of the instant invention, it is considered expected that same would possess the other characteristics and properties set forth in the instant claims (pile spread, pile apex angle, surface tension index, etc.).

Claim Rejections - 35 USC § 103

- 6. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 7. Claims 2, 13-18, 21, 27, 34, and 48 are rejected under 35 U.S.C. 103(a) as being unpatentable over Tsukuda et al. (U.S. Application Publication 2003/0124226) or JP 60-126036 and further taken together with Schapiro and either one of Akoh et al. or Burdock.

Tsukuda et al and JP 60-126036 are both silent regarding the lecithin material comprising hydroxylated lecithin. However, it is notoriously well known to employ hydroxylated lecithin in aiding in the dispersibility of soy particles as taught, for example, in Schapiro (col. 3, lines 34-51). It is furthermore, known that hydroxylated lecithin has the benefits of improved stability and dispersibility in aqueous media as taught, for example, Akoh et al and Burdock. It would have been obvious to one having ordinary skill in the art at the time of the invention to have employed the hydroxylated version of lecithin for such improvements.

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8. Claims 12 and 25 are rejected under 35 U.S.C. 103(a) as being unpatentable over either one of JP 60-126036 or Schapiro (U.S. Patent No. 3988511).

Although JP 60-126036 provides a product having a size that overlaps that called for in the instant claims (e.g. claim 12), it is not clear as to the median of the particles therein (200 mesh in JP 60-126036 is the upper limit which is about 75 microns). Shapiro is silent regarding the particle size altogether. Nevertheless, such determination of particle size depending on desired texture of the product, speed of dispersibility based on size, etc. would have been well within the purview of a skilled artisan, and it would have been obvious to one having ordinary skill in the art at the time of the invention to have arrived at the particular particle median size called for in the instant claims through routine experimental optimization.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Anthony Weier whose telephone number is 571-272-1409. The examiner can normally be reached on Monday-Thursday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Milton Cano can be reached on 571-272-1398. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Anthony Weier March 29, 2007

Anthony Weier Primary Examiner

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